

Federal Communications Commission

DISTRIBUTED TRANSMISSION SYSTEM LICENSE

Licensee/Permittee

University of North Carolina
10 UNC-TV Drive
Research Triangle Park, NC, 27709

Call Sign	File Number
WUNW	0000163367

Facility ID: 83822

NTSC TSID: 5092

Digital TSID: 5093

This License Covers Construction Permit No. 0000113389

Grant Date 10/20/2021		Expiration Date 12/01/2028	
Hours of Operation Unlimited			
Station Location City CANTON State NC		Frequency (MHz) 548.0 - 554.0	Station Channel 27
Antenna Reference Coordinates Latitude 9999 35-34-07.0 N Longitude 82-54-26.2 W		Facility Type Noncommercial Educational	

DTS Site Number:1

Antenna Structure Registration Number 1275765	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-34-7.0 N Longitude 82-54-26.2 W	Antenna Type Directional

Description of Antenna Make Dielectric Model TFU-10DSB/VP-B-R	
Antenna Beam Tilt (Degrees Electrical) 3	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 90.0	Maximum Effective Radiated Power (Average) 115 kW 20.61 DBK
Height of Radiated Center Above Ground (Meters) 55	Height of Radiated Center Above Mean Sea Level (Meters) 1421.0
Height of Radiated Center Above Average Terrain (Meters) 504.9	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

DTS Site Number:2

Antenna Structure Registration Number 1271385	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-10-36.4 N Longitude 82-40-53.5 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL8O-27-E	
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 0.90 kW -0.46 DBK
Height of Radiated Center Above Ground (Meters) 45.7	Height of Radiated Center Above Mean Sea Level (Meters) 1192.6
Height of Radiated Center Above Average Terrain (Meters) 429.2	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

DTS Site Number:3

Antenna Structure Registration Number	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 36-02-00.4 N Longitude 82-12-08.5 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL8O-27-E	
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 0.94 kW -0.27 DBK
Height of Radiated Center Above Ground (Meters) 33	Height of Radiated Center Above Mean Sea Level (Meters) 1276
Height of Radiated Center Above Average Terrain (Meters) 320.7	Overall Height of Antenna Structure Above Ground (Meters) 35

DTS Site Number:4

Antenna Structure Registration Number 1299624	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-7-56.7 N Longitude 82-59-0.6 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL8O-27-E	
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable

Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 0.88 kW -0.56 DBK
Height of Radiated Center Above Ground (Meters) 51.8	Height of Radiated Center Above Mean Sea Level (Meters) 1505.6
Height of Radiated Center Above Average Terrain (Meters) 570.2	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

DTS Site Number:5

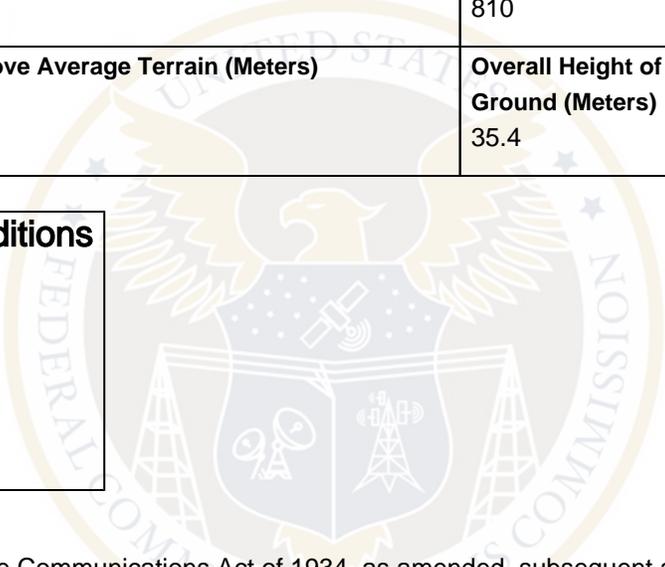
Antenna Structure Registration Number	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-24-47.0 N Longitude 83-30-2.0 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL80-27-E	
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 0.94 kW -0.27 DBK
Height of Radiated Center Above Ground (Meters) 33	Height of Radiated Center Above Mean Sea Level (Meters) 1040
Height of Radiated Center Above Average Terrain (Meters) 279.5	Overall Height of Antenna Structure Above Ground (Meters) 35

DTS Site Number:6

Antenna Structure Registration Number	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.

Antenna Coordinates Latitude 35-18-12.4 N Longitude 83-10-39.5 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL80-27-E	
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 0.94 kW -0.27 DBK
Height of Radiated Center Above Ground (Meters) 33	Height of Radiated Center Above Mean Sea Level (Meters) 810
Height of Radiated Center Above Average Terrain (Meters) -146.0	Overall Height of Antenna Structure Above Ground (Meters) 35.4

Waivers/Special Conditions



Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.